

3430 Evaluation

September 24, 1980

Annual Progress Report: Effect of Precommercial Thinning  
in Armillaria-infected Douglas-fir Plantations on the  
White River RD, Mt. Baker-Snoqualmie NF

Forest Supervisor, Mt. Baker-Snoqualmie NF

In August 1978, eight 1/4-acre plots were established on the White River Ranger District, Mt. Baker-Snoqualmie National Forest to monitor the effects of precommercial thinning in 10- to 20-year old Douglas-fir plantations affected by Armillaria root rot. The eight plots are located in two units (T. 18 N., R. 10 E., sec. 18).

Two years following installation, three of 406 (0.7%) crop trees in thinned plots were killed (2 by Armillaria, 1 by *Fomes annosus*). In plots left unthinned, nine of 416 (2.2%) crop trees were killed, all caused by Armillaria. It is premature to draw any conclusions at this point in time, and only after several years will the data be of value. In the interim, annual progress reports will be submitted by FIDM.

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